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| To Setup More Than One Cluster on Same Setup of Machines |
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# To Setup More Than One Cluster on Same Setup of Machines

Scenario: Your company wants to setup a new cluster and has procured new machines, however machines will take time. Meanwhile company wants you to setup new cluster on same set of machines and start testing .

Existing setup:

cluster 1- m1-m100-earier before requirement

m1-nn

m2-m100-dn,tt ( all jt,snn can be on some machines)

Hadoop path

/usr/local/hadoop

Approach 1:

cluster1-m1 -m50

m1-nn

m2-m50-dn,tt ( all jt,snn can be on some machines)

/usr/local/hadoop

cluster2-m51 -m100

m51-nn

m51-m100-dn,tt ( all jt,snn can be on some machines)

Approach 2:

/usr/local/hadoop

cluster 1- m1-m99

m1-nn

m2-m99-dn,tt ( all jt,snn can be on some machines)

here dn use default ports

Different user and different directory

/usr/local/hadoopx

cluster 2- m100-m2

m100-nn

m2-m99-dn,tt ( all jt,snn can be on some machines)

here dns & tts will use ports which we specify

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1st cluster dn will use these ports by default

50010

50020

50075

tt will use

50060

For 2nd set of data nodes update in hdfs-site.xml

dfs.datanode.address 0.0.0.0:52010

dfs.datanode.ipc.address 0.0.0.0:52020

dfs.datanode.http.address 0.0.0.0:52075

For 2nd set of tasktracker update in mapred-site.xml

mapred.task.tracker.http.address

0.0.0.0:52060

so what we want to do...

cluster1-/usr/local/hadoop

aj25 aj22

nn snn

jt dn

dn tt

tt

cluster 2-/usr/local/hadoopy

aj25 aj22

snn jt

dn

dn tt

tt nn

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